



**MIRICK O'CONNELL**  
ATTORNEYS AT LAW  
MIRICK, O'CONNELL, DEMALLIE & LOUGEE, LLP

December 24, 2003

**RECEIVED**  
JAN 07 2004  
TECH CENTER 1600/2900

**VIA EXPRESS MAIL NO. EL935483731US**

Mail Stop: DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Applicant: Yingjian Wang  
Serial No.: 09/767,538  
Filed: January 23, 2001  
For: ARRAYS FOR BRINGING TWO OR MORE REAGENTS IN  
CONTACT WITH ONE OR MORE BIOLOGICAL TARGETS AND METHODS  
FOR MAKING AND USING THE ARRAYS  
Examiner: Maurie G. Baker, Ph.D.  
Group: 1639  
Docket No.: 17281-00002

Dear Sir:

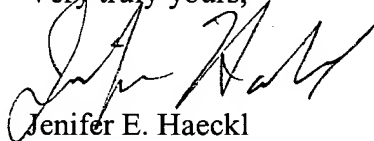
Enclosed for filing in the subject application is a Transmittal of Information Disclosure Statement under 37 CFR 1.97(b) and Information Disclosure Statement (Form PTO/SB/08A), including cited prior art, and a check in the amount of \$180.00 for the filing fee.

If for any reason this communication is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned in Westborough, Massachusetts (508) 898-1501.

Should there be any additional fee or credit, please charge to my deposit account number 50-1582. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Very truly yours,

  
Jennifer E. Haeckl

JEH:slk  
Enclosures



WORCESTER, MA 01608-1477  
508-791-8500 • FAX 508-791-8502

1700 WEST PARK DRIVE  
WESTBOROUGH, MA 01581-3941  
508-898-1501 • FAX 508-898-1502

BOSTON, MA 02110-1263  
617-261-2417 • FAX 617-261-2418

O I P E

## TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

DEC 24 2003

Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
17281-00002

In Re Application of Yingjian Wang

Serial No.  
09/767,538Filing Date  
January 23, 2001Examiner  
Maurie G. Baker, Ph.D.Group Art Unit  
1639Title: ARRAYS FOR BRINGING TWO OR MORE REAGENTS IN CONTACT WITH ONE OR MORE  
BIOLOGICAL TARGETS AND METHODS FOR MAKING AND USING THE ARRAYS

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## 37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

## 37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR
- ☒ the fee set forth in 37 CFR 1.17(p).

01/05/2004 HDEHESS1 00000068 09767538

01 FC:1806

180.00 DP

RECEIVED  
JAN 07 2004  
TECH CENTER 1600/2900

# TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

DEC 24 2003

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
17281-00002

Inventor Application Yingjian Wang

Serial No.

09/767,538

Filing Date

January 23, 2001

Examiner

Maurie G. Baker,

Group Art Unit

1639

ARRAYS FOR BRINGING TWO OR MORE REAGENTS IN CONTACT WITH ONE OR MORE  
BIOLOGICAL TARGETS AND METHODS FOR MAKING AND USING THE ARRAYS

## Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of \$180.00 is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

### Certificate of Transmission by Facsimile\*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

### Certificate of Mailing by First-Class Mail

I certify that this document and fee is being deposited on 12/24/03 with the U.S. Postal Service as ~~first-class~~ mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Sandra L. Kopacz

Typed or Printed Name of Person Mailing Certificate

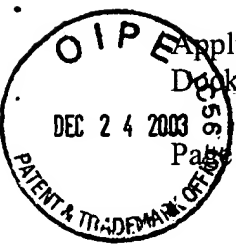
\*This certificate may only be used if paying by deposit account.

Signature

Jennifer E. Haeckl, Esq., Reg. No. 41,812

Dated: December 24, 2003

CC:



Application No. 10/173,991

Docket No. 17281-00003

Page 2 of 4

RECEIVED  
JAN 07 2004  
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Wang, Yingjian	Paper No.:	
Serial No.:	09/767,538	Examiner:	Maurie G. Baker, Ph.D.
Filed:	January 23, 2001	Group No.:	1639
For:	ARRAYS FOR BRING TWO OR MORE REAGENTS IN CONTACT WITH ONE OR MORE BIOLOGICAL TARGETS AND METHODS FOR MAKING AND USING THE ARRAYS	Docket No.:	17281-00002

Mail Stop: DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE CITATION

Other Prior Art – Non Patent Literature Documents are as follows:

CHEN et al., "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA", *Molecular and Cellular Biology*, August 1987, pp. 2745-2752.

DERISE et al., "Use of a cDNA Microarray to Analyse Gene Expression Patterns in Human Cancer", *Nature Genetics*, December 1996, Vol. 14, pp. 457-460.

DICK et al., "Gene Transfer into Normal Human Hematopoietic Cells Using In Vitro and In Vivo Assays", *Blood*, August 1, 1991, Vol. 78, No. 3, pp. 624-634.

FELGNER et al., "Lipofection: A Highly Efficient, Lipid-Mediated DNA-Transfection Procedure", *Proc. Natl. Acad. Sci USA*, November 1987, Vol. 84, pp. 7413-7417.

FIRTH et al., "Improved Procedure for Electroporation of Peptides into Adherent Cells in Situ", *BioTechniques*, 1997, Vol. 23, No. 4, pp. 644-646.

FODOR et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", *Science*, February 15, 1991, Vol. 251, pp. 767-773.

GAO et al., "Potentiation of Cationic Liposome-Mediated Gene Delivery by Polycations", *Biochemistry*, 1996, Vol. 35, No. 3, pp. 1027-1036.

"A Simple Procedure to Increase Efficiency of DEAE-Dextran Transfection of COS Cells", *TIG*, June 1995, Vol. 11, No. 6, pp. 216-217.

GRAHAM et al., "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", *Virology*, 1973, Vol. 52, pp. 456-467.

GUESDON et al., "Magnetically Responsive Polyacrylamide Agarose Beads for the Preparation of Immunoabsorbents", *Journal of Immunological Methods*, 1978, Vol. 21, pp. 59-63.

HACIA, J.G., "Resequencing and Mutational Analysis Using Oligonucleotide Microarrays", *Nature Genetics Supplement*, January 1999, Vol. 21, pp. 42-47.

HOFLAND et al., "Formation of Stable Cationic Lipid/DNA Complexes for Gene Transfer"; *Proc. Natl. Acad. Sci. USA*, July 1996, Vol. 93, pp. 7305-7309.

KONONEN et al., "Tissue Microarrays for High-Throughput Molecular Profiling of Tumor Specimens"; *Nature Medicine*, July 1998, Vol. 4, No. 7, pp. 844-847.

LEHRACH et al., "Hybridization Fingerprinting in Genome Mapping and Sequencing", Genetic and Physical Mapping; Genome Analysis Volume 1: Genetic and Physical Mapping, Cold Spring Harbor Laboratory Press, K.E. Davies & S.M. Tilghman, editors, 1990, pp. 39-81.

LIU et al., "Cationic Liposome-Mediated Intravenous Gene Delivery"; *The Journal of Biological Chemistry*, October 20, 1995, Vol. 270, No. 42, pp. 24864-24870.

SCHENA et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray"; *Science*, October 20, 1995, Vol. 270, pp. 467-470.

SHIGEKAWA et al., "Electroporation of Eukaryotes and Prokaryotes: A General Approach to the Introduction of Macromolecules into Cells"; *BioTechniques*, 1988, Vol. 6, No. 8, pp. 742-751.

TERNYNCK et al., "Polyacrylamide-Protein Immunoabsorbents Prepared with Glutaraldehyde"; *Febs Letters*, June 1972, Vol. 23, No. 1, pp. 24-28.

WIGLER et al., "DNA-Mediated Transfer of the Adenine Phosphoribosyltransferase Locus into Mammalian Cells"; *Proc. Natl. Acad. Sci. USA*, March 1979, Vol. 76, No. 3, 1373-1376.

WILLIAMS et al., "Introduction of Foreign Genes into Tissues of Living Mice by DNA-coated Microprojectiles"; *Proc. Natl. Acad. Sci. USA*, April 1991, Vol. 88, pp. 2726-2730.

YANG et al., "Efficient In Situ Electroporation of Mammalian Cells Grown on Microporous Membranes"; *Nucleic Acids Research*, 1995, Vol. 23, No. 15, pp. 2803-2810.

BORDIGNON et al., "Gene Therapy in Peripheral Blood Lymphocytes and Bone Marrow for ADA Immunodeficient Patients"; *Science*, October 20, 1995, Vol. 270, pp. 470-475.

BULYK et al., "Quantifying DNA-Protein Interactions by Double-Stranded DNA Arrays", *Nature Biotechnology*, June 1999, Vol. 17, pp. 573-577.

---

Examiner Signature

---

Date Considered

